

CLAIMS

I claim:

1. A forced air snow removal apparatus which comprises:

A. a tubular member with a flat lower blade of one piece of molded plastic, the lower blade arching upward at a first end, a plurality of raised side wall means each of which is rigid to provide rigid support to said apparatus while increasing its snow removal capacity; lower blade means of substantially smooth horizontal bottom surface member; said smooth horizontal bottom surface member enabling said device to be slid on pavement in a horizontal position; said tubular member portion of one piece of molded plastic comprised with flat lower blade; said tubular member portion accept forced air directed through said tubular member intake opening at one end and being tapered so as to define a smaller throat opening at lower blade;

B. a mobile frame fixedly attached to the said tubular member at a first end; said mobile frame fixedly attached to the said tubular member at a second end; said mobile frame fixedly attached to said tubular member at first end and second end connector pins; said mobile frame having an elongated base with opposite wheels supporting said rear end of said base of said frame;

C. means for mounting said mobile frame to tubular member such that said tubular member can undergo pivotal movement between selected horizontal direction;

D. means for adjusting the vertical position of said mobile frame wherein angle of said tubular member to said horizontal surface is adjusted.

2. The forced air snow removal apparatus of Claim 1 wherein said tubular member accepts forced air through intake tubular member opening, forced air is directed through said opening onto the upper flat surface of lower blade; said lower blade having exhaust ports by which forced air is directed; said lower blade having raised ridges which directs air in channels;

3. The forced air snow removal apparatus of Claim 1 wherein said mobile frame having elongated vertical tubular embedment fixedly attached to said tubular member at first end upper portion of tubular member.

4. The forced air snow removal apparatus of Claim 3 wherein said mobile frame having elongated horizontal tubular embodiment fixedly attached to said tubular member at second end of lower portion of tubular member.

5. The forced air snow removal apparatus of Claim 3 wherein said mobile frame having elongated forked vertical tubular embodiment fixedly attached to said second horizontal tubular embodiment and first vertical tubular embodiment.

opposite directions from the axle fork (24) and rotationally mounting the wheels (26) which are of any suitable type. The wheels (26) provide lateral stability of the mobile frame (12) and preferably are identical to one another. The wheels (26) are rotatable in clockwise or counterclockwise and lateral direction relative to the axle fork (24) and axle (28) such that the forced air snow shoveling apparatus (10) may be moved along a surface by means of pushing or pulling.

Referring now to FIG. 2, the tubular member (11) is comprised of a substantially cylindrical configuration with a lower blade (49) for accumulating snow. The tubular member (11), and lower blade (49) are fabricated from one continuous piece of plastic or such like material. The lower blade (49) has three nozzle openings (ports) allowing for the forced air to be directed over the full surface of the lower blade (49). The tubular member (11) includes connector pin holes (40), (42) and (44). These connector pin holes (40), (42) and (44) allow for the attachment of vertical shaft1 (20) and horizontal shaft (34) to the tubular member (11). The height of the mobile frame (12) can be adjusted by raising or lowering vertical shaft1 (20) and vertical shaft2 (22), and adjusting the pressure of the tension pin (36) against the vertical shaft1 (20).

Referring now to (FIG.4), the illustrated forced air snow shoveling apparatus (11) is displayed in a top view.

List of Referenced Numerals Utilized in the Drawing:

Forced Air Snow Shoveling Apparatus	10
Tubular Member	11
Mobile Frame	12
Vertical Shaft1	20
Vertical Shaft2	22
Horizontal Shaft	34
Axle	28
Wheels	26
Axle Fork	24
Lower Blade	49
Connector Pen Holes	40/42/44
Tension Pin	36

6. The forced air snow removal apparatus of Claim 5 said elongated forked vertical tubular embodiment means for mounting said wheel axle assembly.

7. The forced air snow removal apparatus of Claim 5 said mobile frame having elongated forked vertical tubular embodiment fixedly attached to said horizontal tubular embodiment, said forked vertical tubular embodiment being larger in circumference than that of said tubular member at first and upper portion of tubular member; said tubular member height adjustment is relative to raising or lowering of said forced air snow removal apparatus; said adjustment is secured using adjustment screw of said forked vertical tubular embodiment directed against said tubular member of first end upper portion of tubular member.